



**Billing Code 4333–15**

**DEPARTMENT OF THE INTERIOR**

**Fish and Wildlife Service**

**[FWS–R8–ES–2018–N086; FXES11130800000–178–FF08E00000]**

**Endangered and Threatened Species; Receipt of Recovery Permit Applications**

**AGENCY:** Fish and Wildlife Service, Interior.

**ACTION:** Notice of receipt of permit applications; request for comments.

**SUMMARY:** We, the U.S. Fish and Wildlife Service, have received applications for permits to conduct activities intended to enhance the propagation or survival of endangered or threatened species under the Endangered Species Act. We invite the public and local, State, Tribal, and Federal agencies to comment on these applications. Before issuing any of the requested permits, we will take into consideration any information that we receive during the public comment period.

**DATES:** We must receive your written comments on or before **[INSERT DATE 30 DAYS AFTER DATE OF PUBLICATION IN THE *FEDERAL REGISTER*]**.

**ADDRESSES:** *Document availability and comment submission:* Submit requests for copies of the applications and related documents and submit any comments by one of the following methods. All requests and comments should specify the applicant name(s) and application number(s) (e.g., **TEXXXXXX**).

- *Email:* [permitsr8es@fws.gov](mailto:permitsr8es@fws.gov).
- *U.S. Mail:* Daniel Marquez, Endangered Species Program Manager, U.S. Fish and Wildlife Service, Region 8, 2800 Cottage Way, Room W-2606, Sacramento, CA 95825.

**FOR FURTHER INFORMATION CONTACT:** Daniel Marquez, via phone at 760-431-9440, via email at [permitsr8es@fws.gov](mailto:permitsr8es@fws.gov), or via the Federal Relay Service at 1-800-877-8339 for TTY assistance.

**SUPPLEMENTARY INFORMATION:** We, the U.S. Fish and Wildlife Service, invite the public to comment on applications for permits under section 10(a)(1)(A) of the Endangered Species Act, as amended (ESA; 16 U.S.C. 1531 *et seq.*). The requested permits would allow the applicants to conduct activities intended to promote recovery of species that are listed as endangered or threatened under the ESA.

## **Background**

With some exceptions, the ESA prohibits activities that constitute take of listed species unless a Federal permit is issued that allows such activity. The ESA's definition

of “take” includes such activities as pursuing, harassing, trapping, capturing, or collecting in addition to hunting, shooting, harming, wounding, or killing.

A recovery permit issued by us under section 10(a)(1)(A) of the ESA authorizes the permittee to conduct activities with endangered or threatened species for scientific purposes that promote recovery or for enhancement of propagation or survival of the species. These activities often include such prohibited actions as capture and collection. Our regulations implementing section 10(a)(1)(A) for these permits are found in the Code of Federal Regulations at 50 CFR 17.22 for endangered wildlife species, 50 CFR 17.32 for threatened wildlife species, 50 CFR 17.62 for endangered plant species, and 50 CFR 17.72 for threatened plant species.

### **Permit Applications Available for Review and Comment**

Proposed activities in the following permit requests are for the recovery and enhancement of propagation or survival of the species in the wild. The ESA requires that we invite public comment before issuing these permits. Accordingly, we invite local, State, Tribal, and Federal agencies and the public to submit written data, views, or arguments with respect to these applications. The comments and recommendations that will be most useful and likely to influence agency decisions are those supported by quantitative information or studies.

Application Number	Applicant, City, State	Species	Location	Activity	Type of Take	Permit Action
TE-082237	California State Parks, San Luis Obispo Coast District, San Simeon, California	<ul style="list-style-type: none"> <li>• Morro shoulderband snail (Banded dune) (<i>Helminthoglypta walkeriana</i>),</li> <li>• Morro Bay kangaroo rat (<i>Dipodomys heermanni morroensis</i>)</li> </ul>	CA	Survey	Capture, handle, and release	Renew
TE-13703B	California Living Museum, Bakersfield, California	<ul style="list-style-type: none"> <li>• Arroyo toad (arroyo southwestern) (<i>Anaxyrus californicus</i> (<i>Bufo microscaphus</i> c.)),</li> <li>• Mountain yellow-legged frog (southern California DPS) (<i>Rana muscosa</i>),</li> <li>• California tiger salamander (Sonoma County and Santa Barbara DPS) (<i>Ambystoma californiense</i>),</li> <li>• Blunt-nosed leopard lizard (<i>Gambelia silus</i>),</li> <li>• California condor (<i>Gymnogyps californianus</i>),</li> <li>• Riparian brush rabbit (<i>Sylvilagus bachmani riparius</i>),</li> <li>• Morro Bay kangaroo rat</li> </ul>	CA	Rehabilitation, public education, public display, captive propagation, research	Collect and acquire injured and/or sick animals, captive rear, perform general husbandry, release healthy individuals, and retain animals unfit for reintroduction	Renew

		<p>(<i>Dipodomys heermanni morroensis</i>),</p> <ul style="list-style-type: none"> <li>• Tipton kangaroo rat (<i>Dipodomys nitratoides nitratoides</i>),</li> <li>• Giant kangaroo rat (<i>Dipodomys ingens</i>)</li> <li>• Stephens' kangaroo rat (<i>Dipodomys stephensi</i>),</li> <li>• Fresno kangaroo rat (<i>Dipodomys nitratoides exilis</i>),</li> <li>• Riparian woodrat (=San Joaquin Valley) (<i>Neotoma fuscipes riparia</i>),</li> <li>• San Joaquin kit fox (<i>Vulpes macrotis mutica</i>),</li> <li>• Sierra Nevada bighorn (<i>Ovis canadensis sierrae</i>),</li> <li>• Nelson bighorn (Peninsular Ranges DPS, Peninsular bighorn sheep) (<i>Ovis canadensis nelsoni</i>)</li> </ul>				
TE-79190C	Ryan Lopez, Fresno, California	<ul style="list-style-type: none"> <li>• Fresno kangaroo rat (<i>Dipodomys nitratoides exilis</i>),</li> <li>• Tipton kangaroo rat (<i>Dipodomys nitratoides nitratoides</i>),</li> <li>• Giant kangaroo rat</li> </ul>	CA	Survey	Capture, handle, release, and collect vouchers	New

		<ul style="list-style-type: none"> <li>• (<i>Dipodomys ingens</i>),</li> <li>• California tiger salamander (Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) (<i>Ambystoma californiense</i>),</li> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>),</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>),</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>),</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>),</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>)</li> </ul>				
TE-206822	Brian Shomo, Lake Elsinore, California	<ul style="list-style-type: none"> <li>• Stephens' kangaroo rat (<i>Dipodomys stephensi</i>)</li> </ul>	CA	Survey	Capture, handle, and release	Renew
TE-781084	Anita Hayworth, Encinitas, California	<ul style="list-style-type: none"> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>),</li> <li>• Quino checkerspot</li> </ul>	CA	Survey	Capture, handle, release, collect	Renew

		butterfly ( <i>Euphydryas editha quino</i> ), • Conservancy fairy shrimp ( <i>Branchinecta conservatio</i> ), • Longhorn fairy shrimp ( <i>Branchinecta longiantenna</i> ), • San Diego fairy shrimp ( <i>Branchinecta sandiegonensis</i> ), • Riverside fairy shrimp ( <i>Streptocephalus woottoni</i> ), • Vernal pool tadpole shrimp ( <i>Lepidurus packardii</i> )			vouchers	
TE-80906C	Katherine Smith, Fairfield, California	• Salt marsh harvest mouse ( <i>Reithrodontomys raviventris</i> )	CA	Survey, population monitoring, genetic studies, toxicology studies	Capture, handle, mark, install cameras, collect fur samples	New
TE-67570A	Brett Hanshaw, Oakland, California	• San Francisco garter snake ( <i>Thamnophis sirtalis tetrataenia</i> )	CA	Invasive species management	Perform bullfrog control	Amend
TE-094845	Matthew Bettelheim, Concord, California	• California tiger salamander (Santa Barbara County and Sonoma County Distinct	CA	Survey	Capture, handle, and release	Renew

		Population Segment (DPS)) ( <i>Ambystoma californiense</i> )				
TE-90002A	Todd Wong, Elk Grove, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>),</li> <li>• longhorn fairy shrimp (<i>Branchinecta longiantenna</i>),</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>),</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>),</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> </ul>	CA	Survey	Capture, handle, release, and collect vouchers	Renew
TE-13691B	Christine Zack, Campbell, California	<ul style="list-style-type: none"> <li>• San Bernardino Merriam's kangaroo rat (<i>Dipodomys merriami parvus</i>),</li> <li>• Stephens' kangaroo rat (<i>Dipodomys stephensi</i>)</li> </ul>	CA	Survey	Capture, handle, and release	Renew
TE-769304	Jeffrey Halstead, Clovis, California	<ul style="list-style-type: none"> <li>• Fresno kangaroo rat (<i>Dipodomys nitratoides exilis</i>),</li> <li>• Tipton kangaroo rat (<i>Dipodomys nitratoides nitratoides</i>),</li> <li>• California tiger</li> </ul>	CA	Survey	Capture, handle, and release	Renew



		salamander (Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) ( <i>Ambystoma californiense</i> )				
TE-02578B	Craig Seltenrich, Auburn, California	<ul style="list-style-type: none"> <li>California tiger salamander (Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) (<i>Ambystoma californiense</i>)</li> </ul>	CA	Survey	Capture, handle, and release	Renew
TE-799564	Sycamore Environmental Consultants, Inc., Sacramento, California	<ul style="list-style-type: none"> <li>Conservancy fairy shrimp (<i>Branchinecta conservatio</i>),</li> <li>Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>),</li> <li>San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>),</li> <li>Riverside fairy shrimp (<i>Streptocephalus woottoni</i>),</li> <li>Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>)</li> </ul>	CA	Survey	Capture, handle, release, and collect vouchers	Renew
TE-795934	ICF Jones & Stokes, Inc.,	<ul style="list-style-type: none"> <li>Conservancy fairy shrimp (<i>Branchinecta</i></li> </ul>	CA	Survey	Capture, handle,	Renew

	Sacramento, California	<i>conservatio</i> ), <ul style="list-style-type: none"> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>),</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>),</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>),</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>),</li> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>),</li> <li>• California tiger salamander (Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) (<i>Ambystoma californiense</i>)</li> </ul>			release, and collect vouchers	
TE-96514A	Jonathan Aguayo, Buena Park, California	<ul style="list-style-type: none"> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)</li> </ul>	CA	Survey	Survey	Amend
TE-21700B	Diana Grosso, Bakersfield, California	<ul style="list-style-type: none"> <li>• Tipton kangaroo rat (<i>Dipodomys nitratoides nitratoides</i>),</li> <li>• Giant kangaroo rat</li> </ul>	CA	Survey and transport	Capture, handle, release, and transport	Renew and amend

		<i>(Dipodomys ingens)</i> , • San Joaquin kit fox <i>(Vulpes macrotis mutica)</i>			injured individuals.	
TE-829554	Barbara Kus, San Diego, California	• Southwestern willow flycatcher ( <i>Empidonax traillii extimus</i> )	CA	Education	Conduct educational workshops.	Amend
TE-148556	Deborah Van Dooremolen, Las Vegas, Nevada	• Southwestern willow flycatcher ( <i>Empidonax traillii extimus</i> ), • Yuma clapper rail (Yuma Ridgway's r.) ( <i>Rallus longirostris yumanensis</i> ) ( <i>R. obsoletus</i> y.)	NV	Survey	Survey	Renew
TE-020548	U.S. Geological Survey, Vallejo, California	• Salt marsh harvest mouse ( <i>Reithrodontomys raviventris</i> ), • California Clapper rail (California Ridgway's r.) ( <i>Rallus longirostris obsoletus</i> ) ( <i>R. obsoletus</i> o.) • Yuma clapper rail (Yuma Ridgway's r.) ( <i>Rallus longirostris yumanensis</i> ) ( <i>R. obsoletus</i> y.)	CA	Survey and research	Capture, handle, mark, take fur samples, band, radio-tag, collect blood, collect feathers, candle eggs, salvage eggs, salvage carcasses, release	Renew
TE-64144A	Emily Mastrelli, San Diego, California	• Conservancy fairy shrimp ( <i>Branchinecta conservatio</i> ), • Longhorn fairy shrimp	CA	Survey	Capture, handle, release, collect	Amend

		<i>(Branchinecta longiantenna)</i> , • San Diego fairy shrimp <i>(Branchinecta sandiegonensis)</i> , • Riverside fairy shrimp <i>(Streptocephalus woottoni)</i> , • Vernal pool tadpole shrimp <i>(Lepidurus packardi)</i>			vouchers	
TE-085026	Jeff Steinman, San Francisco, California	• Southwestern willow flycatcher <i>(Empidonax traillii extimus)</i>	CA	Survey	Survey	Renew
TE-221295	Angelica Mendoza, Fontana, California	• Conservancy fairy shrimp <i>(Branchinecta conservatio)</i> , • Longhorn fairy shrimp <i>(Branchinecta longiantenna)</i> , • San Diego fairy shrimp <i>(Branchinecta sandiegonensis)</i> , • Riverside fairy shrimp <i>(Streptocephalus woottoni)</i> , • Vernal pool tadpole shrimp <i>(Lepidurus packardi)</i>	CA	Survey	Capture, handle, release, collect vouchers	Amend
TE-166383	Bureau of Land	• Blunt-nosed leopard lizard	CA	Survey and genetic	Capture,	Renew

	Management, Hollister, California	( <i>Gambelia silus</i> )		studies	handle, collect tissue, release	
TE-29658A	Cindy Dunn, San Diego, California	<ul style="list-style-type: none"> <li>• Quino checkerspot butterfly (<i>Euphydryas editha quino</i>)</li> </ul>	CA	Survey	Survey	Renew
TE-115373	Darin Busby, San Diego, California	<ul style="list-style-type: none"> <li>• Quino checkerspot butterfly (<i>Euphydryas editha quino</i>),</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>),</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>)</li> </ul>	CA	Survey	Capture, handle, release, collect vouchers	Renew
TE-85074C	U.S. Geological Survey, Dixon, California	<ul style="list-style-type: none"> <li>• California Clapper rail (California Ridgway's r.) (<i>Rallus longirostris obsoletus</i>) (<i>R. obsoletus o.</i>)</li> </ul>	CA	Monitor, research studies, and translocation.	Capture, handle, band, radio-tag, monitor nests, collect blood, collect feathers, candle eggs, float eggs, translocate, transport, salvage eggs, salvage carcasses, and release	New

TE-802450	Arthur Davenport, Barstow, California	<ul style="list-style-type: none"> <li>• Least Bell's vireo (<i>Vireo belli pusillus</i>),</li> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>),</li> <li>• Yuma clapper rail (Yuma Ridgway's r.) (<i>Rallus longirostris yumanensis</i>) (<i>R. obsoletus y.</i>),</li> <li>• Light-footed clapper rail (light-footed Ridgway's r.) (<i>Rallus longirostris levipes</i>) (<i>R. obsoletus l.</i>),</li> <li>• Quino checkerspot butterfly (<i>Euphydryas editha quino</i>),</li> <li>• San Bernardino Merriam's kangaroo rat (<i>Dipodomys merriami parvus</i>),</li> <li>• Stephens' kangaroo rat (<i>Dipodomys stephensi</i>),</li> <li>• Pacific pocket mouse (<i>Perognathus longimembris pacificus</i>),</li> <li>• Arroyo toad (arroyo southwestern) (<i>Anaxyrus californicus</i>),</li> <li>• Desert pupfish (<i>Cyprinodon macularius</i>)</li> </ul>	CA, NV, OR, WA, ID, AZ, NM, UT, CO, TX, WY	Survey and population monitoring	Survey, nest monitor, capture, handle, and release	Renew
TE-101154	Douglas	<ul style="list-style-type: none"> <li>• Tidewater goby</li> </ul>	CA	Survey and genetic	Capture,	Renew

	Rischbieter, Arnold, California	<i>(Eucyclogobius newberryi)</i>		studies	handle, collect vouchers for genetic analysis, release	
TE-85084C	Dustin Brown, Orangevale, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>),</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>),</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>),</li> <li>• Riverside fairy shrimp (<i>Streptocephalus woottoni</i>),</li> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>),</li> <li>• California tiger salamander (Santa Barbara County and Sonoma County Distinct Population Segment (DPS)) (<i>Ambystoma californiense</i>)</li> </ul>	CA	Survey	Capture, handle, release, collect vouchers	New
TE-068189	Archaeological Consulting Services, Tempe	• Southwestern willow flycatcher ( <i>Empidonax traillii extimus</i> ),	NV	Survey	Survey	Renew

	Arizona	<ul style="list-style-type: none"> <li>• Yuma clapper rail (Yuma Ridgway's r.) (<i>Rallus longirostris yumanensis</i>) (<i>R. obsoletus y.</i>)</li> </ul>				
TE-844852	U.S. Geological Survey, Point Reyes, California	<ul style="list-style-type: none"> <li>• Sierra Nevada yellow-legged frog (<i>Rana sierrae</i>),</li> <li>• mountain yellow-legged frog ((northern California DPS) (<i>Rana muscosa</i>))</li> </ul>	CA	Survey, research studies, salvage	Capture, handle, take skin swabs, clip toes, insert PIT (Passive Integrated Transponder) tags, emergency salvage, collect vouchers, and release	Renew
TE-15544A	Christine Beck, San Diego, California	<ul style="list-style-type: none"> <li>• Least Bell's vireo (<i>Vireo bellii pusillus</i>),</li> <li>• California least tern (<i>Sternula antillarum browni</i>) (<i>Sterna a. browni</i>)</li> </ul>	CA	Survey and population monitoring	Nest monitor, capture, handle, band, and release	Renew
TE-829204	Harry Jones, Cobb, California	<ul style="list-style-type: none"> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)</li> </ul>	CA	Survey	Survey	Renew
TE-095858	Arianne Preite, Orange, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>),</li> <li>• Longhorn fairy shrimp</li> </ul>	CA	Survey	Capture, handle, release, and collect	Renew



		<i>(Branchinecta longiantenna)</i> , • San Diego fairy shrimp <i>(Branchinecta sandiegonensis)</i> , • Riverside fairy shrimp <i>(Streptocephalus woottoni)</i> , • Vernal pool tadpole shrimp <i>(Lepidurus packardi)</i> , • Southwestern willow flycatcher <i>(Empidonax traillii extimus)</i> , • Light-footed clapper rail (light-footed Ridgway's r.) <i>(Rallus longirostris levipes)</i> ( <i>R. obsoletus</i> L.), • Quino checkerspot butterfly <i>(Euphydryas editha quino)</i>			vouchers	
TE-233332	Maya Mazon, Oceanside, California	• Quino checkerspot butterfly <i>(Euphydryas editha quino)</i>	CA	Survey	Survey	Renew
TE-800777	Jepson Prairie Reserve Docents, Davis, California	• Conservancy fairy shrimp <i>(Branchinecta conservatio)</i> , • Vernal pool tadpole shrimp <i>(Lepidurus packardi)</i>	CA	Survey and public education	Capture, handle, release, collect vouchers	Renew

TE-009926	Gulf South Research Corporation, Baton Rouge, Louisiana	<ul style="list-style-type: none"> <li>• Sierra Nevada yellow-legged frog (<i>Rana sierrae</i>),</li> <li>• Arroyo toad (arroyo southwestern) (<i>Anaxyrus californicus</i>),</li> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)</li> </ul>	CA, AZ, NM, TX	Survey	Capture, handle, and release	Renew and amend
TE-012137	Fort Hunter Liggett, Fort Hunter Liggett, California	<ul style="list-style-type: none"> <li>• Arroyo toad (arroyo southwestern) (<i>Anaxyrus californicus</i>)</li> </ul>	CA	Emergency salvage	Capture, temporarily hold in captivity, relocate, and salvage	Amendment
TE-85350C	Scott Demers, McKinleyville, California	<ul style="list-style-type: none"> <li>• California Clapper rail (California Ridgway's r.) (<i>Rallus longirostris obsoletus</i>) (<i>R. obsoletus o.</i>)</li> </ul>	CA	Survey	Survey	New
TE-063427	Sarah Powell, Sacramento, California	<ul style="list-style-type: none"> <li>• Conservancy fairy shrimp (<i>Branchinecta conservatio</i>),</li> <li>• Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>),</li> <li>• San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>),</li> <li>• Riverside fairy shrimp</li> </ul>	CA	Survey	Capture, handle, release, collect vouchers	Renew

		<i>(Streptocephalus woottoni)</i> , <ul style="list-style-type: none"> <li>• Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)</li> </ul>				
TE-017549	Mary Whitfield, Weldon, California	<ul style="list-style-type: none"> <li>• Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>),</li> <li>• Least Bell's vireo (<i>Vireo belli pusillus</i>)</li> </ul>	CA, NV, AZ, NM	Survey, population monitoring, research studies, and public educational workshops	Nest monitor, capture, handle, band, collect blood, collect feathers, film, conduct educational workshops	Renew and amend

## **Public Availability of Comments**

Written comments we receive become part of the administrative record associated with this action. Before including your address, phone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment—including your personal identifying information—may be made publicly available at any time. While you can request in your comment that we withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so. All submissions from organizations or businesses, and from individuals identifying themselves as representatives or officials of organizations or businesses, will be made available for public disclosure in their entirety.

## **Next Steps**

If we decide to issue permits to any of the applicants listed in this notice, we will publish a notice in the *Federal Register*.

**Authority**

We publish this notice under section 10(c) of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 *et seq.*).

**Karen Jensen,***Acting Regional Director,**Pacific Southwest Region,**Sacramento, California.*

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